## Index of Claims

Application/Control No.

Applicant(s)/Patent under Reexamination

09/810,334 Examiner

BROWN, STEPHEN J. Art Unit

3626

| R | Rejected |
|---|----------|
| = | Allowed  |

(Through numeral) Cancelled Restricted

Non-Elected N Interference

VIVEK D. KOPPIKAR

Appeal Α o Objected

|       |            | _             |   |   |   |               |          |   | _         |     |          |       |          |           |          |          | _        | ٠        | _             |        |        |     |               |          | _        |        |        | _      |              |          |          |   |
|-------|------------|---------------|---|---|---|---------------|----------|---|-----------|-----|----------|-------|----------|-----------|----------|----------|----------|----------|---------------|--------|--------|-----|---------------|----------|----------|--------|--------|--------|--------------|----------|----------|---|
| Cla   | Claim Date |               |   |   |   |               |          |   | Г         | Cla | im       |       | Date     |           |          |          |          |          |               |        | Cli    | aim | Date          |          |          |        |        |        |              |          |          |   |
| Final | Original   | 3/11/08       |   |   |   |               |          |   |           |     |          | Final | Original |           |          |          |          |          |               |        |        |     | Final         | Original |          |        |        | I      |              |          |          |   |
| _     | 1          | R             | Н | _ | Н | Н             | Н        | Н | $\vdash$  | ⊣   | Н        |       | 51       | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +             | +      | +      | 1   | $\vdash$      | 101      | $\dashv$ | +      | +      | +      | +            | $\vdash$ | $\dashv$ | _ |
|       | 2          | R             | Н | _ | Н | $\vdash$      | Н        | Н | $\vdash$  | ⊣   | $\vdash$ | _     | 52       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +             | +      | +      | l   | -             | 102      | $\dashv$ | +      | +      | +      | +            | $\vdash$ | $\dashv$ | _ |
|       | 3          | R             | Н | _ | Н |               | Н        | Н | $\vdash$  | ⊣   | $\vdash$ |       | 53       | $\vdash$  | $\neg$   | $\neg$   | $\dashv$ | $\dashv$ | $\rightarrow$ | +      | +      | 1   | -             | 103      | _        | +      | +      | +      | +            | -        | $\dashv$ |   |
| _     | 4          | R             | Н | _ | Н | $\vdash$      | Н        | Н | $\vdash$  | ⊣   | $\vdash$ |       | 54       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\rightarrow$ | +      | +      | 1   | -             | 104      | _        | +      | +      | +      | +            | +        | $\dashv$ | _ |
| _     | 5          | R             | Н | - | Н | $\vdash$      | Н        | Н | $\vdash$  | ⊣   | $\vdash$ |       | 55       | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +             | +      | +      | 1   | -             | 105      | $\dashv$ | +      | +      | +      | +            | $\vdash$ | $\dashv$ | _ |
|       | 6          | R             | Н | _ | Н | $\vdash$      | Н        | Н | $\vdash$  | ⊣   | $\perp$  |       | 56       | $\dashv$  | $\neg$   | $\dashv$ | $\dashv$ | $\dashv$ | $\rightarrow$ | +      | +      | 1   |               | 106      | -        | $\pm$  | +      | +      |              | +        | $\dashv$ | _ |
|       | 7          | R             | Н |   | Н | $\vdash$      | Н        |   | $\vdash$  | ⊣   | $\vdash$ |       | 57       | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\rightarrow$ | +      | +      | 1   | -             | 107      | -        | +      | +      | +      | +            | +        | $\dashv$ |   |
|       | 8          | <u> </u>      | Н | _ | Н | $\vdash$      | Н        | Н | $\vdash$  | ⊣   | $\vdash$ | _     | 58       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\rightarrow$ | +      | +      | 1   | -             | 108      | _        | $\pm$  | +      | +      | +            | +        | $\dashv$ | _ |
|       | 9          | R             | Н | _ | Н | $\vdash$      | $\vdash$ | Н | $\vdash$  | ⊣   | $\vdash$ | _     | 59       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\rightarrow$ | +      | +      | 1   | -             | 109      | $\dashv$ | +      | +      | +      | +            | +        | $\dashv$ | _ |
|       | 10         | R             | Н |   | Н |               | Н        | Н | $\vdash$  | ⊣   | $\vdash$ |       | 60       | $\dashv$  | $\neg$   | $\neg$   | $\dashv$ | $\dashv$ | $\rightarrow$ | +      | +      | l   | -             | 110      | _        | $^{-}$ | +      | +      | +            | 1        | $\dashv$ |   |
|       | 11         | R             | Н |   | Н |               | Н        |   | $\vdash$  | ⊣   | - 1-     |       | 61       | $\neg$    | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $^{-}$        | +      | -      | 1   | -             | 111      |          | $^{-}$ | +      | +      | +            | 1        | $\neg$   |   |
|       | 12         | R             | Н | _ | Н |               | Н        | Н | $\vdash$  | ⊣   | $\vdash$ |       | 62       | $\dashv$  | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $^{-}$        | +      | +      | l   | -             | 112      | $\dashv$ | $^{+}$ | $^{+}$ | +      |              | -        | $\dashv$ |   |
|       | 13         | R             | Н |   | Н |               | Н        | Н | $\vdash$  | ⊣   | H        | -     | 63       | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +             | $^{+}$ | +      | 1   | $\vdash$      | 113      | -        | +      | +      | +      | t            | -        | $\dashv$ |   |
|       | 14         | R             | Н |   | Н | Н             | Н        | Н | H         | ⊣   | H        |       | 64       | Н         | $\dashv$ | _        | $\dashv$ | -        | $\pm$         | +      | +      | il  | $\vdash$      | 114      | -        | +      | +      | +      | т            | -        | $\dashv$ |   |
|       | 15         | R             | Н |   |   |               |          | Н |           | ⊣   | -        |       | 65       | $\vdash$  | $\neg$   | $\neg$   | $\neg$   | $\neg$   | _             | +      | -      | il  | -             | 115      |          |        | $^{+}$ | +      | T            | $\vdash$ | $\neg$   |   |
|       | 16         | R             | Н | _ |   |               |          | Н |           | ⊣   | $\vdash$ |       | 66       | $\neg$    | $\neg$   | $\neg$   | _        | $\neg$   | $^{+}$        | $^{+}$ | -      | l   |               | 116      | $\neg$   | $^{+}$ | +      | +      | t            | $\vdash$ | $\neg$   |   |
|       | 17         | 1             | Н |   |   |               |          |   | $\vdash$  | ⊣   | $\vdash$ |       | 67       | $\dashv$  | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $^{+}$        | $^{+}$ | +      | l   | -             | 117      | _        | $^{+}$ | +      | +      | $\vdash$     | $\vdash$ | $\dashv$ |   |
| _     | 18         | R             | Н | _ |   |               |          |   |           | ┪   | $\vdash$ |       | 68       | $\neg$    | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $^{+}$        | $^{+}$ | +      | l   |               | 118      | $\neg$   | +      | +      | +      | $\vdash$     | $\vdash$ | $\neg$   | _ |
|       | 19         | R             | Н | _ |   |               |          | Н |           | ⊣   | $\vdash$ |       | 69       | $\neg$    | $\neg$   | $\neg$   | _        | $\neg$   | $^{+}$        | $^{+}$ | +      | l   |               | 119      | _        | _      | +      | +      | t            | $\vdash$ | $\neg$   |   |
|       | 20         | R             | П |   |   |               |          | П | $\vdash$  | ⊣   |          |       | 70       | $\neg$    | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $\neg$        | $^{+}$ | +      | 1   | -             | 120      | _        | -      | $^{+}$ | +      |              | -        | $\neg$   |   |
|       | 21         | R             | Н | _ | Н | -             | Н        | Н | $\vdash$  | ⊣   |          |       | 71       | $\forall$ | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $\neg$        | _      | +      | 1   |               | 121      | _        | $^{-}$ | $^{+}$ | +      |              | -        | $\neg$   |   |
|       | 22         | i i           | Н |   | Н | -             | Н        | Н | $\vdash$  | ⊣   | - 1-     |       | 72       | $\dashv$  | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $\neg$        | _      | +      | 1   | -             | 122      | _        | $^{-}$ | +      | +      |              | -        | $\neg$   |   |
|       | 23         | -             | Н | _ | Н | -             | -        | Н | $\vdash$  | ⊣   | - 1-     |       | 73       | $\dashv$  | $\neg$   | $\neg$   | $\dashv$ | $\dashv$ | $\overline{}$ | +      | +      | 1   | -             | 123      | $\dashv$ | $^{-}$ | +      | +      | +            | -        | $\dashv$ |   |
|       | 24         | $\vdash$      | Н |   | Н | $\vdash$      | -        |   | $\vdash$  | ⊣   | $\vdash$ |       | 74       | $\vdash$  | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $\rightarrow$ | +      | +      | 1   | -             | 124      | _        | $\pm$  | +      | +      |              | +        | $\dashv$ |   |
|       | 25         | -             | П |   | Н | -             | Н        | Н | $\forall$ | ⊣   | -        |       | 75       | $\neg$    | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $^{+}$        | $^{+}$ | -      | 1   |               | 125      | $\neg$   | $^{+}$ | $^{+}$ | +      | т            | $\vdash$ |          |   |
|       | 26         | $\vdash$      | Н |   | Н |               | Н        |   | $\vdash$  | ⊣   | -        |       | 76       | $\neg$    | $\neg$   | $\neg$   | $\dashv$ | $\dashv$ | $^{+}$        | $^{+}$ | -      | 1   | -             | 126      | $\neg$   | $^{+}$ | +      | +      | +            | $\vdash$ |          |   |
|       | 27         | $\vdash$      | Н |   | Н |               | Н        |   | $\vdash$  | ⊣   | -        |       | 77       | $\exists$ | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $^{+}$        | $^{+}$ |        | 1   | -             | 127      | $\dashv$ | $^{+}$ | +      | +      | т            | -        | $\neg$   |   |
|       | 28         |               | П |   | П |               |          | П |           | ⊣   | - 1-     |       | 78       |           | $\neg$   |          | $\neg$   |          |               | _      | -      | i   | -             | 128      |          |        | +      | +      |              |          |          |   |
|       | 29         |               | П |   | П |               |          | П | П         | ⊣   |          |       | 79       |           | $\neg$   |          | $\neg$   |          |               | _      |        | i   |               | 129      |          |        | +      | +      |              |          |          |   |
|       | 30         |               | П |   | П |               |          | П | П         | ⊣   |          |       | 80       | П         | $\neg$   |          | $\neg$   | $\neg$   |               | _      |        | i   |               | 130      |          |        | $^{+}$ | +      |              |          | $\neg$   |   |
|       | 31         |               | П |   | П |               |          | П |           | ⊣   | - 1      |       | 81       |           | $\neg$   |          | $\neg$   |          |               | _      | -      | il  | -             | 131      |          |        | +      | +      |              |          |          |   |
|       | 32         |               | П |   | П |               |          | П | П         | ⊣   |          |       | 82       | П         | $\neg$   |          | $\neg$   |          |               | +      |        | i   |               | 132      |          |        | +      | +      | 1            |          | $\neg$   |   |
|       | 33         |               | П |   |   |               |          | П | $\Box$    | ⊣   |          |       | 83       |           | $\neg$   |          | $\neg$   | $\neg$   |               | $^{+}$ |        | i   |               | 133      |          |        | $^{+}$ | +      |              |          | $\neg$   |   |
| _     | 34         | -             | Н | _ | П | $\vdash$      | Н        | П | $\vdash$  | ┪   | Н        |       | 84       | $\Box$    | $\neg$   | $\neg$   | $\dashv$ | _        | $\rightarrow$ | $^{+}$ |        | i I | $\overline{}$ | 134      | $\dashv$ | $\top$ | $^{+}$ | +      | т            | $\vdash$ | $\neg$   | _ |
|       | 35         | $\overline{}$ |   |   |   | -             |          | П |           | ┪   | -        |       | 85       |           | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $\top$        | $^{+}$ |        | i I |               | 135      | _        | $^{+}$ | $^{+}$ | $\top$ | т            |          |          |   |
|       | 36         |               |   |   |   |               |          | П |           | ┪   |          |       | 86       |           | $\neg$   |          | $\neg$   | $\neg$   | $^{\dagger}$  | $^{+}$ |        | i I |               | 136      |          |        | 1      |        | т            |          |          |   |
|       | 37         | $\overline{}$ |   |   |   | $\overline{}$ |          | П |           | ┪   | -        |       | 87       |           | $\neg$   | $\neg$   | $\neg$   | $\neg$   | $\neg$        | $^{+}$ |        | i I |               | 137      |          |        | $\top$ |        | т            |          | $\neg$   |   |
|       | 38         | -             |   |   |   | -             |          | П |           | ┪   | -        |       | 88       |           | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $\top$        | $^{+}$ |        | 1   |               | 138      | _        | $^{+}$ | $^{+}$ | +      | т            |          |          |   |
|       | 39         | -             | П |   |   | -             | Н        | П | $\vdash$  | ⊣   | Н        |       | 89       | $\dashv$  | $\neg$   | $\neg$   | $\dashv$ | $\dashv$ | 7             | $^{+}$ |        | 1   |               | 139      | _        | $^{+}$ | $^{+}$ | +      | т            | т        | $\neg$   |   |
|       | 40         | т             | П |   |   | т             | П        | П | $\vdash$  | 7   |          |       | 90       | $\dashv$  | $\neg$   | $\neg$   | $\dashv$ | $\dashv$ | $\rightarrow$ | $^{+}$ |        | 1   | $\overline{}$ | 140      | $\dashv$ | $\top$ | $^{+}$ | +      | т            | т        | $\neg$   |   |
|       | 41         | т             | П |   |   | т             | г        | П | $\vdash$  | 7   |          |       | 91       | $\Box$    | $\neg$   | $\neg$   | $\dashv$ | _        | $\rightarrow$ | $^{+}$ | $\top$ | 1   |               | 141      | $\dashv$ | $\top$ | $^{+}$ | +      | T            | т        | $\neg$   |   |
|       | 42         | $\vdash$      | Н |   |   | $\vdash$      |          | Н | $\vdash$  | ┪   | -        |       | 92       | $\vdash$  | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $\pm$         | $^{+}$ | +      | il  |               | 142      | $\neg$   | $\pm$  | $^{+}$ | +      | $^{\dagger}$ | $\vdash$ |          | _ |
|       | 43         | $\vdash$      | Н |   | П | $\vdash$      | Н        | Н | $\vdash$  | ⊣   | Н        |       | 93       | $\vdash$  | $\neg$   | $\dashv$ | $\dashv$ | $\dashv$ | 7             | $^{+}$ | $\top$ | 1   | -             | 143      | $\dashv$ | $^{+}$ | $^{+}$ | +      | T            | $^{-}$   | $\neg$   |   |
|       | 44         | $\vdash$      | Н |   |   | $\vdash$      |          | Н | $\vdash$  | ⊣   | -        |       | 94       | $\vdash$  | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $^{+}$        | $^{+}$ |        | il  | -             | 144      | $\dashv$ | $^{+}$ | $^{+}$ | +      | t            | $\vdash$ | $\neg$   |   |
|       | 45         |               | Н |   |   |               |          | Н |           | ⊣   | -        |       | 95       | Н         | $\neg$   |          | $\neg$   |          |               | +      | -      | il  | -             | 145      |          |        | +      | +      | t            |          |          |   |
|       | 46         |               | Н |   |   |               |          | Н |           | ⊣   | -        |       | 96       | $\vdash$  | $\neg$   | $\neg$   | _        | $\neg$   | _             | +      | -      | il  | -             | 146      |          |        | +      | +      | t            | $\vdash$ | $\neg$   |   |
| _     | 47         |               | Н |   |   | $\vdash$      |          | Н | $\vdash$  | ┪   | -        |       | 97       | $\vdash$  | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $\pm$         | $^{+}$ | -      | il  |               | 147      |          | $^{+}$ | $^{+}$ | +      | t            | $\vdash$ | $\neg$   | _ |
| _     | 48         |               | Н |   |   | $\vdash$      |          | Н | $\vdash$  | ┪   | -        |       | 98       | $\vdash$  | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | $\pm$         | $^{+}$ | -      | il  |               | 148      |          | $^{+}$ | $^{+}$ | +      | t            | $\vdash$ | $\neg$   | _ |
|       | 49         |               | Н |   | П |               | П        | П | Н         | ⊣   | Н        |       | 99       | $\vdash$  | $\neg$   | _        | _        | 7        | 7             | $^{+}$ |        | i I |               | 149      | _        | $\top$ | $^{+}$ | +      | t            | т        | $\neg$   |   |
| _     | 50         |               | Н | _ |   |               |          | П |           | ┪   | $\vdash$ |       | 100      |           | $\neg$   | $\neg$   | _        | $\neg$   | 1             | $^{+}$ | +      | i I |               | 150      | _        |        | +      | +      | т            |          | $\neg$   |   |